
Overview**Method Name**

Polymerase Chain Reaction/Sequencing

NY State Available

Yes

Specimen**Specimen Type**

Plasma EDTA

Specimen Required

Draw blood in lavender (EDTA) tube(s). Spin down and send 2 mL plasma frozen in a plastic vial.

Required: 1. Viral Load

2. Viral Load Date

Note: Red-top serum and serum gel tube(s) are acceptable.**Note:** This test may be unsuccessful if the HBV Viral load is less than log 3.0 or 1,000 IU/mL of plasma.**Reject Due To**

Hemolysis: NA
Thawing: Warm OK; Cold OK
Lipemia: NA
Icterus: NA
Other: Heparinized specimens

Specimen Minimum Volume

0.5 mL

Specimen Stability Information

Specimen Type	Temperature	Time	Special Container
Plasma EDTA	Frozen (preferred)	42 days	
	Refrigerated	7 days	
	Ambient		

Clinical & Interpretive**Reference Values**

Interpretive Information: Hepatitis B Virus Genotype

HBV genotype and resistance interpretation is provided by SeqHepB software from Evivar Medical. The following mutations are reported: reverse transcriptase L80I/V, I169T, V173L, L180M, A181S/T/V, T184A/C/F/I/G/S/M/L, S202C/G/I, M204I/V, N236T, M250I/L/V; surface antigen P120T, D144A, G145R.

Both the HBV RT polymerase and the HBsAg encoding regions are sequenced. Resistance and surface antigen mutations are reported. In addition, the major HBV genotypes are identified. Mutations in viral sub-populations below 20% of total may not be detected.

This test is performed pursuant to a license agreement with Roche Molecular Systems, Inc.

Performance**PDF Report**

No

Performing Laboratory Location

ARUP Laboratories

Fees & Codes

Test Classification

This test was developed and its performance characteristics determine by ARUP Laboratories. It has not been cleared or approved by the US Food and Drug Administration. This test was performed in a CLIA certified laboratory and is intended for clinical purpose.

CPT Code Information

87912

LOINC® Information

Test ID	Test Order Name	Order LOINC Value
FHBG	Hepatitis B Virus Genotype	32366-7

Result ID	Reporting Name	LOINC®
Z3195	Hepatitis B Genotype	32366-7
Z3196	HBV Surface Antigen Mutations	32366-7
Z3197	HBV RT Polymerase Mutations	Unable to Verify